

The following listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claims 1.-11 **Canceled.**

12. (Currently amended) A method of mounting a disc brake system, comprising:

providing at least one brake disc having braking surfaces on opposite sides of the at least one brake disc;

interconnecting the at least one brake disc and a rotatable mounting hub with drive keys such that the at least one brake disc is rotatable with the rotatable mounting hub and slideable axially relative to the rotatable mounting hub;

arranging at least one pair of friction elements on the opposite sides of the at least one brake disc operative when actuated to axially displace the at least one brake disc and frictionally engage the braking surfaces of the at least one brake disc to effect braking action of the at least one brake disc and the rotatable mounting hub; and

~~mounting~~ attaching a plurality of resilient devices at circumferentially equi-spaced locations on the at least one brake disc ~~and each associated with a drive key~~ and slideable axially with the at least one brake disc independently of the mounting hub and exerting a constant resilient bias force ~~between the~~ from the attachment of the resilient devices on at least one brake disc ~~[[and]]~~ to the rotatable mounting hub for centering the brake disc relative to the rotatable mounting hub.

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13. (Currently amended) The method of claim 12 wherein the resilient device is provided in the form of a plurality of resilient spring members attached to ~~mounted on~~ and movable with the at least one brake disc independently of the mounting hub.

14. (Currently amended) A method of mounting an axially movable brake disc on a rotatable mounting hub of a disc brake system, comprising: providing a plurality of resilient devices~~[[;]]~~ adapted to act between the brake disc and the rotatable mounting hub ~~for the brake disc~~ at circumferentially equi-spaced positions around the brake disc, and ~~symmetrically~~ symmetrically mounting attaching the resilient device on the brake disc for axial movement with the brake disc independently of the mounting hub and to apply a centering and anti-tilt resilient bias force directed from the brake disc to the rotatable mounting hub.

15. (Currently amended) A disc brake system comprising:
a rotatable mounting hub;
at least one brake disc ~~disc~~ having opposite sides and ~~[[;]]~~ braking surfaces on said opposite sides;
drive keys interconnecting said brake disc and said rotatable mounting hub for rotation therewith while allowing relative axial displacement therebetween;
at least one pair of friction elements operative when actuated to frictionally engage said braking surfaces of said at least one brake disc to effect braking action of said at least one brake disc and said rotatable mounting hub; and

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a plurality of resilient devices ~~mounted~~ attached at circumferentially equi-spaced locations ~~[[on]]~~ to said at least one brake disc and ~~each associated with a drive key~~ and movable axially with said at least one brake disc relative to and independent of said rotatable mounting hub, said resilient devices acting between said at least one brake disc and said rotatable mounting hub to apply a resilient bias force directed from said at least one brake disc to said rotatable mounting hub for centering said brake disc.

16. **(Currently amended)** The brake disc system of claim 15 wherein said resilient device straddles said drive ~~[[keys]]~~ key of said at least one brake disc.

17. **(Previously presented)** The disc brake system of claim 15 wherein said resilient device comprises at least one leaf spring having resilient flanges engaging said at least one brake disc.

18. **(Currently amended)** The disc brake system of claim 15 wherein said resilient device comprises at least one spring disposed under stress between said at least one brake disc and said rotatable mounting hub to exert said resilient bias force therebetween.

19. **(Currently amended)** A disc brake system comprising: an axially movable brake disc supported on a rotatable mounting hub; a plurality of resilient devices adapted to act between said brake disc and said rotatable mounting hub at circumferentially equi-spaced positions around said brake disc, said resilient device being

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~~symetrically~~ symmetrically mounted on said brake disc for axial movement with said brake disc independent of said mounting hub and to apply a centering and anti-tilt resilient bias force directed from said brake disc to said rotatable mounting hub.

20. **(Currently amended)** The brake disc system of claim 19 wherein said brake disc includes drive keys engaging associated drive keyways of said rotatable mounting hub, said resilient device straddling said drive keys of said brake disc.

21. **(Previously presented)** The disc brake system of claim 19 wherein said resilient device comprises at least one leaf spring having resilient flanges engaging said brake disc.

22. **(Currently amended)** The disc brake system of claim 19 wherein said spring device comprises at least one spring disposed under stress between said brake disc and said rotatable mounting hub to exert said resilient bias force therebetween.

23. **(Previously presented)** A disc brake system as set forth in claim 15 wherein each resilient device comprises a spring wire.

24. **(Currently amended)** A disc brake system as set forth in claim 23 wherein said spring wire defines an endless loop having two inwardly-directed portions defining a waist acting upon the brake disc and around the associated drive key of the brake disc and lateral side portions acting upon the rotatable mounting hub.

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25. **(Withdrawn)** A disc brake system as set forth in claim 24 wherein said side portions define upturned ends presenting curved portion abutting said mounting hub.

26. **(Withdrawn)** A disc brake system as set forth in claim 23 wherein each wire spring includes an end portion engaging one side of said brake disc and a hairpin portion engaging the mounting hub on the other side of said brake disc.

27. **(Withdrawn)** A disc brake system as set forth in claim 26 including a central portion between said end and hairpin portions engaging said brake disc with said hairpin portion disposed to react between said mounting hub and said disc.

28. **(Withdrawn)** A disc brake system as set forth in claim 23 wherein said wire spring defines a loop having ends engaging said brake disc and bowed between said ends to engage said mounting hub.

29. **(Withdrawn)** A disc brake system as set forth in claim 23 wherein said wire spring defines four double loops defining an X-shape as viewed in side elevation with an opening therebetween surrounding a drive key.

30. **(Withdrawn)** A disc brake system as set forth in claim 29 wherein said X-shape includes upper arms abutting said brake disc and lower arms abutting said mounting hub.

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31. **(Withdrawn)** A disc brake system as set forth in claim 22 wherein said resilient device comprises a strip defining a plurality of apertures with each aperture straddling a drive key.

32. **(Withdrawn)** A disc brake system as set forth in claim 31 wherein each strip extending chordally relative to said brake disc.